## **EAST Search History**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S156	156	("0761518"   "1324303"   "1545039"   "1561418"   "1569729"   "1597212"   "1930825"   "1981525"   "20010040054"   "20020145284"   "20020166668"   "2214226"   "2246226"   "2383214"   "2499630"   "2627891"   "2663073"   "2898971"   "3087546"   "3191677"   "3191680"   "3712376"   "3776307"   "3818734"   "3911707"   "3948321"   "4069573"   "4127168"   "4159564"   "4288082"   "4319393"   "4324407"   "4429620"   "4483399"   "4509777"   "4531581"   "4538442"   "4588030"   "4697640"   "4723905"   "4848469"   "5052483"   "5271472"   "5348095"   "5472057"   "5560426"   "5472057"   "5560426"   "5472057"   "6029748"   "6029748"   "6021850"   "6029748"   "6025148"   "6446724"   "6446723"   "6446724"   "6457532").PN. OR ("6629567").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27
S157	387	("0761518"   "0988504"   "1301285"   "1324303"   "1545039"   "1561418"   "1569729"   "1597212"   "1880218"   "1930825"   "1981525"   "20010040054"   "20020104647"   "20020145281"   "20020166668"   "2216226"   "2383214"   "2424878"   "2499630"   "2519116"   "2627891"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:19

-8			. ;		s ::	: 1
"26	33374"	"2663073"				
"28	398971"	"3028915"				
"30	39530"	"3087546"				
"31	67122	"3179168"				
: 5	   186485	"3191677"				
- 3	191680"	"3195646"				
: 5	203451"	"3203483"				
	245471"	"3297092"				
3		"3353599"				
: 5	326293"					
- 3	354955"	"3467180"				
: §	177506"	"3489220"				
- 5	583200"	"3669190"				
	89113"	"3691624"				
"37	712376"	"3746091"				
"37	776307"	"3780562"				
- 3	785193"	"3818734"				
"38	320370"	"3911707"				
"39	948321"	"3977076"				
"40	)69573"	"4099400"				
"41	27168"	"4159564"				
"42	288082" İ	"4319393"				
"43	324407" İ	"4349050"				
: 5	359889"	"4362324"				
- 8	82379"	"4387502"				
- 5	107150"	"4414739"				
- 3	129620"	"4445201"				
: 8	150612"	"4470280"				
: \$	183399"	"4487630"				
3	502308"	"4505142"				
: 5	505612"	"4509777"				
: 5	531581"	"4538442"				
: 5	67631"	"4581617"				
: \$	588030"	"4626129"				
- 3	697640"	"4723905"				
: 5	750559"	"4807704"				
: \$	348469"	"4866966"				
- 8	383121"	"4936383"				
: 5	976322"	"4997320"				
- 3	)14779"	"5052483"				
: 5	)52849"	"5156209"				
: 5	267613"	"5271472"				
- 8	301760"	"5307879"				
: 5	322127"	"5348095"				
: 5	366012"	"5409059"				
- 2	135400"	"5472057"				
- 3	520255"	"5553679"				
: 2	560426"	"5636661"				
- 2	367011"   300005"					
- 8		"5785120"				
	794702").					
		"5887668"				
. 5 .		'   "5901789"				
:21		'   "5954136"				
- 5 *	5960895'	•				
		'   "6012523" '   "6020748"				
111	00∠180U	'   "6029748"				
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		"6053247"   '   "6098717"   '   "6189616"   '   "6446323"   '   "6457532").F ("2002/007910 "2002/0195252 "2003/0075337 "6543552"   "6 "6662876"   "6 URPN.	"6155360" "6325148" "6446724" PN. OR 00"   2"   7"   6629567"				
S152	71	("2002013954( "20020162664' "3477506"   "5 "5901789"   "6 "6415509"   "6 "6478092").PN ("6725934").Ul	"   5718288"   5263966"   5478091"   I. OR	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:18
S153	306	"2767766"   '   "3028915"   '   "3087546"   '   "3179168"   '   "3191677"   '	"1301285" "1545039" "1569729" "1880218" "1981525" "2214226" "2424878" "2519116" "2627891" "2663073" "368971" "3186485" "3191680" "3191680" "3191680" "3191680" "3297092" "3353599" "3412565" "3477506" "3583200" "3689113" "3776307" "3785193" "3785193" "4369573" "4369573" "4349050" "4362324" "4387502" "4444739" "4445201"	US-PGPUB; USPAT; USOCR	OR	<u>8</u>	2009/03/27

S154 304	"5924745" "5979571" "6070671" "6098717").F ("6527049"). ("0761518"	"4505142"   "4531581"   "4531581"   "4581617"   "4626129"   "4807704"   "4866966"   "4976322"   "5014779"   "5052849"   "5267613"   "532127"   "5366012"   "53435400"   "5520255"   "5560426"   "5560426"   "5706905"   "5706905"   "5901789"   "5901789"   "5960895"   "6029748"   "1545039"   "1545039"   "1569729"   "1569729"   "1880218"   "1981525"   "2214226"   "2424878"   "2519116"   "2633374"   "2519116"   "2633374"   "3167122"   "3186485"   "3191680"   "3191680"   "3191680"   "3245471"   "3326293"   "3354955"   "3477506"   "3583200"   "3583200"   "3689113"   "3712376"	US-PGPUB; USPAT; USOCR	OR	S	2009/03/27 12:18
	"3746091"   "3780562"   "3818734"	"3776307"   "3785193"   "3820370"				

S146	134	S145	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:14
S145	134	("2499630").URPN.	USPAT	OR	ON	2009/03/27 12:14
S151	520	166/384.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:15
S150	354	166/277.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:15
S149	1160	166/380.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:15
S155	200	("0872733"   "1010954"   "1561418"   "1569729"   "1597212"   "1638422"   "1794797").PN. OR ("3818734").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:18
		"4359889"   "4362324"   "4382379"   "4387502"   "4407150"   "4414739"   "4429620"   "4445201"   "4450612"   "4470280"   "4483399"   "4487630"   "4502308"   "4505142"   "4505612"   "4531581"   "4567631"   "4588030"   "4626129"   "4697640"   "4807704"   "4848469"   "4866966"   "4883121"   "4976322"   "4997320"   "5014779"   "5052483"   "5052849"   "5156209"   "5267613"   "5271472"   "5301760"   "5307879"   "5322127"   "5348095"   "5520255"   "5553679"   "5560426"   "5685369"   "5706905"   "5785120"   "5887668"   "5901787"   "5901789"   "5924745"   "5960895"   "5979571"   "6021850"   "6029748"   "6070671"   "6098717").PN. OR ("2499630"   "6446323").URPN.				

S147	84	Simpson and coiled and tubing and rollers and pistons and tool and casing and liner	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:14
S148	0	(swage adj expander) and (collapse adj resistance) and bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:14
S110	53	(borehole or wellbore) and (plastic with deformation) and (casing or tubular) and (collapse with (resist or resistance or resisted or resisting))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:13
S111	4	(borehole or wellbore) and (peening) and (casing or tubular) and (collapse with (resist or resistance or resisted or resisting))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:13
S112	0	(corrugating with tubing) and (collapse adj resistance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:13
S113	37	(corrugating with tubing) and collapse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:13
S114	60	(corrugating with (tubing or tubular or casing)) and collapse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:13
S115	16	("1880218"   "2582249"   "3431975"   "4193280"   "4261671"   "5026206"   "5026209"   "5275240"   "5538294").PN. OR ("6409226").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13
S116	344	(wellbore or borehole) and ((tubing or tubular or casing) with groove) and collapse	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13

S117	194	(wellbore or borehole) and ((tubing or tubular	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13
		or casing) with groove) and collapse and (roller or bearing)				
S118	104	("0761518"   "1324303"   "1545039"   "1561418"   "1569729"   "1597212"   "1930825"   "2383214"   "2499630"   "2627891"   "2663073"   "2898971"   "3087546"   "3195646"   "3203483"   "3467180"   "3818734"   "3911707"   "4069573"   "4127168"   "4159564"   "4288082"   "4531581"   "4588030"   "4697640"   "4848469"   "4936383"   "5271472"   "5409059"   "5435400"   "5472057"   "5560426"   "5685369"   "5794702"   "5833001"   "5901787"   "5901787"   "6021850"   "6098717"   "6189616").PN. OR ("6662876").URPN.	US-PGPUB; USPAT; USOCR	OR	OZ	2009/03/27 12:13
S119	520	166/384.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13
S120	1	"20040216878"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13
S121	3	(borehole or wellbore) and (casing or tubing or tubular) and (strain adj path)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13
S122	1	"6325128".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13
S123	1	"6325148".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13
S124	1	"6131071".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13
S125	1044	S110 S111 S112 S113 S114 S115 S116 S117 S118 S119 S120 S121 S122 S123 S124	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13
S126	0	"66631737".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13
S127	1	"6\631737".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13

S128	0	"\631737".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13
S129	1	"6661737".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13
S130	26	("4509000"   "4794572"   "4817061"   "4888743"   "4912683"   "5027332"   "5029146"   "5136554"   "5214613"   "5524805"   "5541890"   "5594706"   "5712829"   "5724308"   "5740124"   "5808963"   "6023443"   "6141622"   "6188961").PN. OR ("6661737").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13
S131	28	S126 S127 S128 S129 S130	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13
S132	8	(borehole or wellbbore or casing) and ((collapse adj resistance) same (groove\$ or undulation or wave\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:13
S133	8	(borehole or wellbore or casing) and ((collapse adj resistance) same (groove\$ or undulation or wave\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:13
S134	8	(tubing) and ((collapse adj resistance) same (groove\$ or undulation or wave\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:13
S135	9	S132 S133 S134	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13
S136	3465	(borehole or wellbore or casing or tubing) and (collapse same (groove\$ or undulation or wave \$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:13
S137	893	(borehole or wellbore or casing or tubing) and (collapse with (groove\$ or undulation or wave \$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:13
S138	553	(borehole or wellbore or casing) and (collapse with (groove\$ or undulation or wave\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:13

S139	133	(borehole or wellbore) and (collapse with (groove\$ or undulation or wave\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:13
S140	21	(US-20030141079-\$ or US-20030075337-\$ or US-20020195252-\$ or US-20020079100-\$).did. or (US-6550539-\$ or US-5649603-\$ or US-3911707-\$ or US-3818734-\$ or US-2499630-\$ or US-2499630-\$ or US-2898971-\$ or US-6585043-\$ or US-6695063-\$ or US-6612481-\$ or US-6612481-\$ or US-66227049-\$ or US-6446323-\$ or US-6629567-\$ or US-5275240-\$).did.	US-PGPUB; USPAT	OR	00 00	2009/03/27 12:13
S141	2	S140 and (collapse adj resistance)	US-PGPUB; USPAT	OR	ON	2009/03/27 12:13
S142	24	((tubular or casing) with (collapse adj resistance)) and roller	US-PGPUB; USPAT	OR	ON	2009/03/27 12:13
S143	20	("1750628"   "1848404"   "2168017"   "4040495"   "4190123"   "4365678"   "4465146"   "4880066"   "4958692"   "5033558").PN. OR ("5649603").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13
S144	3481	S136 S137 S138 S139 S140 S141 S142 S143	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:13
S109	107	(hillis.in. or metcalfe.in. or harrall.in.) and (borehole or wellbore) and (tubing or tubular or casing)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:12
S107	335	(borehole or wellbore) and (tubular or tubing or casing) and collapse and (bearing or roller) and (cone with expand\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:09

S108	13	(borehole or wellbore) and (tubular or tubing or casing) and (collapse adj resistance) and (bearing or roller) and (cone with expand\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:09
S105	619	(borehole or wellbore) and (tubular or tubing or casing) and collapse and (bearing or roller) and ((diamet\$4 or radi\$4) with expansion)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:08
S106	535	(borehole or wellbore) and (tubular or tubing or casing) and collapse and (bearing or roller) and ((diamet\$4 or radi\$4) with expand)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:08
S104	1689	(borehole or wellbore) and (tubular or tubing or casing) and collapse and (bearing or roller) and diameter	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 12:07
93 103	341	("0761518"   "0988504"   "1301285"   "1324303"   "1545039"   "1561418"   "1569729"   "1597212"   "1880218"   "1930825"   "1981525"   "2017451"   "2214226"   "2383214"   "2424878"   "2499630"   "2519116"   "2627891"   "2633374"   "2663073"   "2898971"   "3028915"   "3039530"   "3087546"   "3186485"   "3191677"   "3191680"   "3195646"   "3203451"   "3293483"   "3245471"   "3297092"   "3354955"   "3467180"   "3477506"   "3489220"   "3583200"   "3669190"   "3689113"   "3691624"   "3776307"   "3780562"   "3785193"   "3317707"   "3948321"   "3977076"   "4069573"   "4127168"   "4159564"   "4288082"   "4319393"   "4324407"   "4349050"   "4359889"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27

S95	306	S94 and (radial adj force)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:01
S96	306	S95 and (radial adj force)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:01
S97	36871	2and (radial adj force)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:01
S98	314	S93 and (radial adj force)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:01
S99	1004	(borehole or wellbore) and (plastic with deformation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:01
S100	818	(borehole or wellbore) and (plastic with deformation) and (casing or tubular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:01
S92	3286	(wellbore or borehole) and (tubing or tubular) and collapse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/27 12:00

## 3/27/09 2:31:22 PM

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